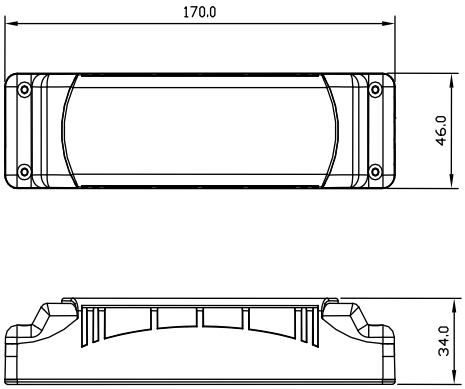
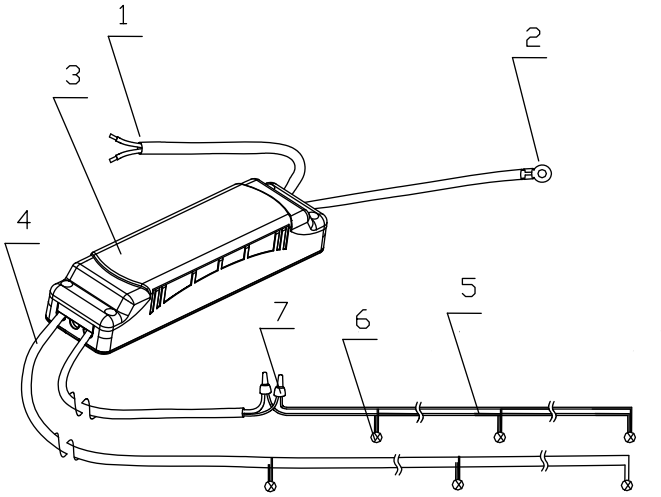
User manual for 180VA Dimmable electronic transformer

1. Model No : SDT180SMS
2. Application and Characteristics:
   a) The transformer is specialized as a power supply for 12V halogen lamps only.
   b) The output is Safe Extra-Low Voltage of 11.5V.
   c) Provided with overload; output short circuit; over-heat protection.(renewable)。
   d) Touching switch inside combined with stepless dimmable mode circuit are compatible.
   e) Provided with lighteness memory .



3. Technical parameters:
   Rated input voltage: 220-240V AC, 50Hz
   Rated output voltage: 11.5V AC
   Rated load: 50W - 180W, 12V AC
4. Connection Schematic:



No.	NAME	REMARK
7	Terminal blocks Or screw-on wire connector	
6	Halogen lamp	12V
5	Lead wire	Connect to conductor may be touch dimmable
4	Lead wire	
3	Transformer	SDT180SMS
2	Earth-plate	
1	Power line	H03VVH2 (Recommend)

5. Working environment and conditions:
   a) The transformer is for in-house application ONLY.
   b) Rated power is only for 12V halogen lamps and lamp cup.
   c) Ambient temperature (Ta) must be ⩽45℃
   d) The output lead maximum length must not exceed 2.0m.
   e) The user must do his best to distribute the lamps evenly on the output lead.
   f) Ensure the earth plate have a good grounding.
6. Notices
   a) The output lead must be well connected with terminals to avoid thermal problems
   b) The leads for electrical connection only, not for physical weight load.
   c) To avoid fire, it is prohibited to cover the transformer with any flammable material during operation.
   d) Please connect the conductor in proper proportion while touching, or the function will be affected.
   e) this product has two touch status: 1, the on-off switch state; 2, dimming state;
      If the touch time less than 0.4 s, the on-off switching function can be realized. Continued to increase touch time, the products in the dimming state. The dimming state can be realized from dark to light and then to the dark-light cycle. Brightness adjustment to any point, to maintain the current cessation of touch brightness. Re-touch, you can repeat the above process.
   f) When load>70W, must use 1.0mm^2 ----1.5mm^2 load wire.